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9-1975

## Agricultural Experiment Station News September 1975

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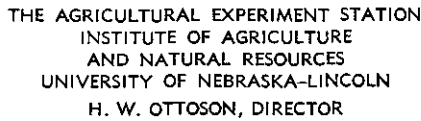
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## A graphic featuring the word "NEWS" repeated in a grid pattern. The word is written in a bold, sans-serif font. In the center, a larger, bolder "NEWS" is superimposed over the grid. The background is white, and the text is black. The grid pattern is composed of the word "NEWS" repeated in a regular, staggered arrangement. The central "NEWS" is significantly larger and more prominent than the others in the grid.

FROM THE ACTING DIRECTOR'S DESK

R. W. Kleis

## PERSONNEL ACTIONS

Larsen, Lester F. - Professor of Agricultural Engineering--Emeritus (Retirement)  
 Lytle, Paul W. - Associate Professor of Agricultural Economics (Resignation)  
 Stroike, James E. - Assistant Professor of Agronomy (Resignation)

## GRANTS AND CONTRACTS

Burnside, O. C. - Agronomy - American Cyanamid Company	500
Clegg, M. D. - Agronomy - Pioneer Hi-Bred International Incorporated	2,000
Coyne, D. P. - Horticulture - Green Giant Foundation	1,500
Fenster, C. R. - Agronomy (PH Sta.) - Ansul Company	1,000
Fenster, C. R. - Agronomy (PH Sta.) - Nebraska Wheat Division	10,000
Hagen, A. F. - Entomology (PH Sta.) - Miscellaneous Donors	850
Klopfenstein, T. - Animal Science - Deere and Company	10,000
Klucas, R. V. - Biochemistry Laboratory - NSF	50,000
Mattern, P. J. - Agronomy - Nebraska Wheat Development Division	6,234
Mayo, Z. B. & J. B. Campbell et al - Entomology (NP Sta.) - Anna Elliott Fund	11,400
Mayo, Z. B. - Entomology - Mobil Chemical Company	2,000
Maxcy, R. B. - Food Science and Technology - Natick Laboratories	25,853
Nelson, L. A. & W. A. Compton - Agronomy (PH Sta.) - Anna Elliott Fund	7,000
O'Keefe, R. B. - Horticulture - State Department of Agriculture	3,500
Perry, L. J. - Agronomy - Anna Elliott Fund	9,565
Peterson, G.; F. Anderson & J. Hart - Agronomy (PH Sta.) Anna Elliott Fund	5,150
Sander, D.; G. Peterson & L. Daigler - Agronomy (PH Sta.) Neb. Wheat Division	18,200
Schmidt, J. W. - Agronomy - Nebraska Department of Agriculture	10,000
Shearman, R. C. - Horticulture - Nebraska Turfgrass Council	950
Stubbendieck, J. L. - Agronomy (PH Sta.) - Anna Elliott Fund	2,935
Sullivan, T. W. - Poultry and Wildlife Sciences - Key Milling Company	1,000
Twiehaus, M. J. - Veterinary Science - Nebraska Pork Producers	2,000
Vidaver, A. K. - Plant Pathology - State Department of Agriculture	2,500
White, R. G. - Veterinary Science (NP Sta.) - Norden Laboratories	600

## GENERAL NOTES

1. The search committee for the District Director, North Platte Station and District II, includes the following: Jack Campbell (Chairman), Darrell Watts, Paul Nordquist, Bob Klein, Elizabeth Kime, Dave Stenberg, Don Sander and Marv Twiehaus. They will welcome your suggestions and they desire them soon.
2. A search committee has also been designated for a successor to Dr. Twiehaus whose mandatory retirement from administrative duty comes up this year. The committee includes staff members Alex Hogg, Norm Underdahl, Larry McGill, Don Ferguson, Ernie Peo and Erv Omtvedt in addition to student and industry people. They also will welcome your suggestions of candidates.
3. Schnieder on Safety - Fall harvesting operations are particularly dangerous. Exercise and promote safety.
4. Sals Says - Dove hunting is not permitted at the Field Laboratory, nor is trapping or deer hunting. Major specified areas of the Lab will be open to shotgun hunting of small game November 1 to December 14.
5. District Stations and field research units look particularly good this year. Good weather, good programs and much improved housekeeping all have contributed.

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - August 1975

Journal Articles (contact authors for more information)

- 4035. The Nutrition Knowledge and Attitudes of Licensed Physicians Practicing in Nebraska. Tama O. Krause and Hazel M. Fox. Journal of Medical Education.
- 4036. Poultry Nutrition Research 1974. Thomas W. Sullivan. Proceedings of 23rd Annual Pfizer Research Conference.
- 4037. Use of Electronic Meat Measuring Equipment for Predicting the Cut-out Value of Beef Carcasses. Robert M. Koch and W. L. Varnadore. Journal of Animal Science.
- 4038. Registration of Dryland Alfalfa Germplasm Pool C-3 (Reg. No. GP). C. E. Townsend, W. R. Kehr, E. L. Sorensen, M. D. Rumbaugh, M. W. Pedersen, D. K. Barnes, G. A. Rogler and C. H. Hanson. Crop Science.
- 4039. Curriculum for Systematic Inquiry and Practice in Secondary School Home Economics Programs. Dr. Shirley Kreutz. Journal of Home Economics.
- 4040. A Modified Milling Procedure for Separating Endosperm and Non-Endosperm Portions of the Wheat Kernel for Protein and Lysine Analysis. K. P. Vogel, P. J. Mattern and G. W. Lenser. Agronomy Journal.
- 4041. Graphic Representation: From Intellectual Realism to Visual Realism in Draw a House-Tree Task. Violet Kalyan-Masih. Child Development.
- 4042. Lets Take Another Look at Competitive Marketing. Ralph D. Johnson and Richard J. Crom. Proceedings, Western Agricultural Economics Association, July 20-22, 1975.
- 4043. Separation of Components of Barley Stripe Mosaic Virions by Density-Gradient Centrifugation. M. K. Brakke and Manuel K. Palomar. Virology.
- 4044. Protein and Lysine Contents of Whole Grain, Endosperm, and Bran of the Parents and Progenies of High Protein and/or High Lysine Crosses of Common Wheat. K. P. Vogel, V. A. Johnson and P. J. Mattern. Crop Science.
- 4045. Registration of Eight Sorghum Parental Lines. O. J. Webster, P. T. Nordquist and L. V. Peters. Crop Science.
- 4046. Isolation and Characterization of a Protein Concentrate From Brewers Yeast. C. L. Kreshel and L. D. Satterlee. Journal of Food Science.
- 4047. Characterization of Products from Wet Fractionation of Wheat Bran. W. A. Hansmeyer, L. D. Satterlee and P. J. Mattern. Journal of Food Science.
- 4048. How to Tell - Corn, Sorghum Maturity. J. D. Eastin, J. T. Hultquist and C. Y. Sullivan. Sorghum Conference, Puerto Rico.
- 4049. Germination of Rhizopus stolonifer sporangiospores. James L. Van Etten, Larry D. Dunkle and Shelby Freer. Book, "Eukaryotic Microbes as Model Developmental Systems." Ed. by D. H. O'Day and P. A. Horgen.
- 4050. Glutamate Dehydrogenase in Rats Fed Raw Soybean and Nitrogen-Free Rations. Simon Aprahamian and Raymond Borchers. Proc. Soc. Expt. Biol. Med.
- 4051. Selection for Rate and Efficiency of Lean Gain in the Rat. David R. Notter, G. E. Dickerson and J. A. DeShazer. Genetics.

4052. Physical & Chemical Characteristics of Sediments Originating from Missouri Valley Loess. G. E. Schuman, R. F. Piest, R. G. Spomer. Proceedings of Federal Interagency Sedimentation Conf., Denver, Colorado. March 22-26, 1976.
4053. A Comparison of Selected Cation Concentrations in the Soil Solution. L. F. Elliott, T. A. Travis and T. M. McCalla. Soil Science Society of America Proceedings.
4054. Desiccation of Grain Sorghum. D. R. Gigax and O. C. Burnside. Agronomy Journal.
4055. Geologic Nitrogen in Pleistocene Loess of Nebraska. J. S. Boyce, John Muir, A. P. Edwards, R. A. Olson and E. C. Seim. Journal of Environmental Quality.
4056. Increasing Legume Seed Germination by VHF and Microwave Dielectric Heating. S. O. Nelson, L. A. T. Ballard, L. E. Stetson and T. Buchwald. Transactions of the ASAE.
4057. Effect of Low-Dose Gamma Irradiation on Enterotoxin-Producing Strains of Clostridium perfringens. H. M. Barnhart and L. B. Bullerman. Journal of Food Science.
4058. Specific Interactions Involving Hormonal and Other Changes. J. M. Daly. A chapter in a book on "Specificity in Plant Diseases."
4059. Protein and Lysine Content of Grain, Endosperm, and Bran of Wheats from the USDA World Wheat Collection. K. P. Vogel, V. A. Johnson and P. J. Mattern. Crop Science.
4060. Bacteria in the Air of a Housed Swine Unit. L. F. Elliott and T. M. McCalla. Journal of Applied Microbiology.
4061. Nitrite Accumulation within Herbicide-treated Leaves. Lowell A. Klepper. Weed Science.
4062. Nitrite Accumulation: An Explanation for Synergistic Combinations of Herbicides. Lowell A. Klepper. Weed Science.
4063. Metabolic Response to a Pantothenic Acid Deficient Diet in Humans. Helen G. Tao and Hazel M. Fox. Home Economics Research Journal.
4064. Measurements of Urinary Pantothenic Acid Excretions of Alcoholic Patients. Helen G. Tao and Hazel M. Fox. Home Economics Research Journal.

Journal Abstracts (contact authors for more information)

- 75-477. Methionine Hydroxy Analog Additions to Diets of Beef Cows. L. W. Varner, A. H. Denham, W. C. McCone, G. E. Nelms, W. H. Smith, J. K. Ward and E. H. Cash. Journal of Animal Science.

BULLETINS PRINTED

- RB 273. An Economic Information Program for the U. S. Beef and Pork Sectors. N. A. Aulaqi and J. B. Hassler.
- RB 274. Bionomics of Insects Associated with Corn in the Nebraska Sandhills. J. L. Wedberg, J. B. Campbell and T. J. Helms.